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## JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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SANYO ELECTRIC CO LTD

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(72)Inventor:

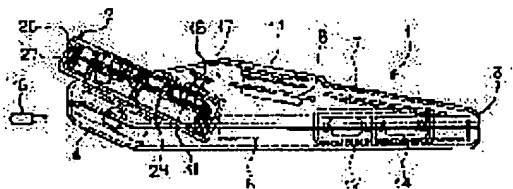
ABE KAZUHIKO  
KASHIWABARA KEIZO

## (54) TEMPERATURE MONITORING APPARATUS

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain a temperature monitoring apparatus by which the temperature of an object to be monitored can be controlled quickly and accurately by a method wherein a recording device is attached to a portable terminal device so as to record time-dependent temperature data.

**SOLUTION:** A recording device 2 is attached to the inside of a slot 17 in a portable terminal device 1. After that, the switch of a key input part is operated, a microcomputer in the portable terminal device 1 is polled to a microphone in the recording device 2 via electromagnetic induction coils 18, 31. The microphone in the recording device 2 transmits recorded temperature history data to the portable terminal device 1 via the electromagnetic induction coils 31, 18 so as to be retained in its RAM. Then, the key input part is operated, and the microcomputer displays the data on a liquid-crystal display 11. Thereby, an operator can confirm the temperature history data recorded by the recording device 2 at a site. In addition, on the basis of the operation of the key input part, the microcomputer in the portable



terminal device 1 can transmit the data by radio to a personal computer in a central office by using a radio transmitter-receiver circuit and an antenna 16.

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